

CLAIMS:

1. Optical record carrier (20) adapted to storing data using a recording/reading device, said recording/reading device comprising an ultra-violet laser source emitting electromagnetic radiation (29) having a wavelength λ in the range of 230 nm to 270 nm and an objective lens (21) having a numerical aperture NA for focussing the electromagnetic radiation on the optical recording carrier, characterized by a spiral track (22) having a track pitch TP between $0.55 \cdot \lambda / \text{NA}$ and $0.75 \cdot \lambda / \text{NA}$.
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2. Optical record carrier according to claim 1, characterized by a groove depth d, wherein said groove depth is between $\frac{1}{12} \cdot \frac{\lambda}{n_0}$ and $\frac{1}{4} \cdot \frac{\lambda}{n_0}$, n_0 being a refractive index of a cover layer of the optical record carrier or n_0 being equal to 1 in case of an optical record carrier without cover layer.
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3. Optical record carrier according to claim 1 or 2, characterized by a groove duty cycle between 30% and 70%.